

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44 papers	1,288 citations	15 h-index	35 g-index
53 ext. papers	1,548 ext. citations	9 avg, IF	5.05 L-index

#	Paper	IF	Citations
44	A high performance lithium-ion sulfur battery based on a Li ₂ S cathode using a dual-phase electrolyte. <i>Energy and Environmental Science</i> , 2015 , 8, 1551-1558	35.4	197
43	High-performance rechargeable lithium-iodine batteries using triiodide/iodide redox couples in an aqueous cathode. <i>Nature Communications</i> , 2013 , 4, 1896	17.4	193
42	To mitigate self-discharge of lithium-sulfur batteries by optimizing ionic liquid electrolytes. <i>Energy and Environmental Science</i> , 2016 , 9, 224-231	35.4	159
41	Graphene-Supported Nitrogen and Boron Rich Carbon Layer for Improved Performance of Lithium-Sulfur Batteries Due to Enhanced Chemisorption of Lithium Polysulfides. <i>Advanced Energy Materials</i> , 2016 , 6, 1501733	21.8	140
40	In Situ Synthesis of Bipyramidal Sulfur with 3D Carbon Nanotube Framework for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2014 , 24, 2248-2252	15.6	97
39	Sulfurized Polyacrylonitrile Cathodes with High Compatibility in Both Ether and Carbonate Electrolytes for Ultrastable Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1902929	15.6	87
38	N-Methyl-N-propylpiperidinium bis(trifluoromethanesulfonyl)imide-based organic electrolyte for high performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2013 , 236, 207-214	8.9	82
37	A scalable hybrid separator for a high performance lithium-sulfur battery. <i>Chemical Communications</i> , 2015 , 51, 6996-9	5.8	43
36	Assessment on the Self-Discharge Behavior of Lithium-Sulfur Batteries with LiNO ₃ -Possessing Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35175-35183	9.5	32
35	Three-dimensional hierarchical porous TiO ₂ /graphene aerogels as promising anchoring materials for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018 , 292, 568-574	6.7	30
34	Titanium-Containing Metal-Organic Framework Modified Separator for Advanced Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12968-12975	8.3	28
33	Fe-doped LiMnPO ₄ @C nanofibers with high Li-ion diffusion coefficient. <i>Carbon</i> , 2020 , 158, 102-109	10.4	27
32	Sulfur-Based Catholyte Solution with a Glass-Ceramic Membrane for Li-S Batteries. <i>ChemElectroChem</i> , 2016 , 3, 152-157	4.3	24
31	In-situ synthesis of microspherical Sb@C composite anode with high tap density for lithium/sodium-ion batteries. <i>Composites Communications</i> , 2020 , 17, 177-181	6.7	20
30	Self-assembly of MoO ₃ -decorated carbon nanofiber interlayers for high-performance lithium-sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 2157-2163	3.6	17
29	Capture of the Sulfur Monoxide-Hydroxyl Radical Complex. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2175-2179	16.4	13
28	Positive Surface Pseudocapacitive Behavior-Induced Fast and Large Li-ion Storage in Mesoporous LiMnPO ₄ @C Nanofibers. <i>ChemSusChem</i> , 2019 , 12, 3817-3826	8.3	12

27	In-situ reducing synthesis of MoP@nitrogen-doped carbon nanofibers as an anode material for lithium/sodium-ion batteries. <i>Electrochimica Acta</i> , 2020 , 358, 136921	6.7	11
26	A dendrite-free composite Li metal anode enabled by lithiophilic Co, N codoped porous carbon nanofibers. <i>Journal of Power Sources</i> , 2021 , 483, 229188	8.9	10
25	Controllable synthesis of sulfurized polyacrylonitrile nanofibers for high performance lithium-sulfur batteries. <i>Composites Communications</i> , 2021 , 24, 100675	6.7	9
24	Metal-Organic-Framework-Derived Porous Carbon Embedded with TiO ₂ Nanoparticles as a Cathode for Advanced Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2021 , 8, 90-95	4.3	8
23	Hydrogen-Atom Tunneling in Metaphosphorous Acid. <i>Chemistry - A European Journal</i> , 2020 , 26, 8205-8209	4.8	7
22	Two Competing Reactions of Sulfurized Polyacrylonitrile Produce High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25002-25009	9.5	6
21	Effect of soluble sulfur species on the electrochemical behavior of lithium-sulfur batteries with dual-phase electrolytes. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 1966-1970	5.8	5
20	The Simplest, Isolable, Alkynyl Isocyanate HC≡CNCNCO: Synthesis and Characterization. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17277-17281	16.4	5
19	A rechargeable metal-free full-liquid sulfur-bromine battery for sustainable energy storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20737-20745	13	5
18	Photochemistry of HNSO in cryogenic matrices: spectroscopic identification of the intermediates and mechanism. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 7975-7983	3.6	4
17	The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21949-21953	16.4	4
16	Generation and Characterization of the C O Anion with an Unexpected Unsymmetrical Structure. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4518-4523	16.4	3
15	Dihalogenated Methylperoxy Radicals: Spectroscopic Characterization and Photodecomposition by Release of HO. <i>Chemistry - A European Journal</i> , 2020 , 26, 2817-2820	4.8	3
14	3-Nitrene-2-formylthiophene and 3-Nitrene-2-formylfuran: Matrix Isolation, Conformation, and Rearrangement Reactions. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 3786-3794	2.8	1
13	Matrix-isolated trifluoromethylthiyl radical: sulfur atom transfer, isomerization and oxidation reactions. <i>Chemical Communications</i> , 2021 , 57, 12143-12146	5.8	1
12	Spectroscopic identification of the BSNO isomers. <i>Journal of Chemical Physics</i> , 2020 , 153, 094303	3.9	1
11	Hierarchical porous carbon nanofibers with lithiophilic metal oxide crystalline grains for long-life Li metal anodes. <i>Composites Communications</i> , 2021 , 26, 100789	6.7	1
10	Iodine-doped fibrous sulfurized polyacrylonitrile with accelerated reaction kinetics. <i>Composites Communications</i> , 2022 , 30, 101078	6.7	0

- 9 The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide. *Angewandte Chemie*, **2020**, 132, 22133-22137 3.6 ○
- 8 Synthesis and characterization of phosphorous(III) diisocyanate and triisocyanate. *Dalton Transactions*, **2021**, 50, 3299-3307 4.3 ○
- 7 Spectroscopic Identification of the Heterocumulenyl Isocyanatoborane Radical HBNCO.. *Journal of Physical Chemistry Letters*, **2022**, 13, 2619-2624 6.4 ○
- 6 An ionic liquid enhanced gel polymer electrolyte for high performance lithium-metal batteries based on sulfurized polyacrylonitrile cathode. *Composites Communications*, **2022**, 31, 101100 6.7 ○
- 5 Hydrogen-Atom Tunneling in Metaphosphorous Acid. *Chemistry - A European Journal*, **2020**, 26, 8174 4.8
- 4 The Simplest, Isolable, Alkynyl Isocyanate HC≡CNCNCO: Synthesis and Characterization. *Angewandte Chemie*, **2019**, 131, 17437-17441 3.6
- 3 Spectroscopic characterization and photochemistry of the Criegee intermediate CFC(H)OO.. *Journal of Environmental Sciences*, **2022**, 114, 160-169 6.4
- 2 Reaktitelbild: The Triplet Hydroxyl Radical Complex of Phosphorus Monoxide (Angew. Chem. 49/2020). *Angewandte Chemie*, **2020**, 132, 22452-22452 3.6
- 1 Generation and Characterization of the C₃O₂⁻ Anion with an Unexpected Unsymmetrical Structure. *Angewandte Chemie*, **2021**, 133, 4568-4573 3.6